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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/646,371	08/22/2003	Armin Graber	302705.3003-101	302705.3003-101 8662	
30407	7590 07/27/2004		EXAMINER		
BOWDITCH & DEWEY, LLP			WELLS,	WELLS, NIKITA	
161 WORCES	TER ROAD				
P.O. BOX 932	0		ART UNIT	PAPER NUMBER	
FRAMINGHAM, MA 01701-9320			2881		
			DATE MAILED: 07/27/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/646,371	GRABER ET AL.				
		Examiner	Art Unit				
		Nikita Wells	2881	m			
Period fo	The MAILING DATE of this communication app		orrespondence addre	ss			
A SH THE - Exter after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPL' MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period or the to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b). Responsive to communication(s) filled on 22 A	36(a). In no event, however, may a reply be time y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE g date of this communication, even if timely filed ugust 2003.	nely filed s will be considered timely. the mailing date of this comm D (35 U.S.C. § 133).	unication.			
2a)[This action is FINAL . 2b)⊠ This action is non-final.						
3)[_]	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	ion of Claims						
5)□ 6)⊠ 7)□)☐ Claim(s) is/are objected to.						
Applicati	ion Papers						
10)⊠	The specification is objected to by the Examine The drawing(s) filed on <u>22 August 2003</u> is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	a)⊠ accepted or b)⊡ objected drawing(s) be held in abeyance. See tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1	, ,			
Priority u	ınder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some color None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
2) Notic	t(s) se of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) smation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) ser No(s)/Mail Date 72104.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		i2)			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Vestal et al. (5,625,184).

With respect to the claims 1, 5, 6, 10-12, 16, 22-26, and 29, Vestal et al. disclose (Col. 4, lines 16-28 and 38-50; Col. 5, lines 23-29; Col. 9, lines 11-25; Col. 9, line 66 to Col. 10, line 9; and Col. 10, lines 33-51) a method for analyzing a sample containing biomolecules comprising the steps of providing a plurality of sample portions of a sample containing biomolecules; acquiring one or more mass spectra of at least one of the sample portions; analyzing the one or more mass spectra using an expression dependent upon a mass spectrometric data based analysis, acquiring a fragmentation spectrum of at least one of the sample portions at one or more of the selected one or more mass-to-charge ratio ranges; comparing the fragmentation spectrum of at least one of the selected one or more mass-to-charge ratio ranges to a database of known or predicted fragmentation mass spectra; and determining whether a biomolecule is present in the sample based on the comparison.

With respect to the claim 2, Vestal et al. disclose (Col. 9, lines 20-25) a method for analyzing a sample containing biomolecules wherein the biomolecules comprise at least one of proteins and peptides.

With respect to the claims 3, 13, 17, and 28, Vestal et al. disclose (Col. 4, lines 16-28; and Col. 9, line 66 to Col. 10, line 9) a method for analyzing a sample containing biomolecules wherein the step of acquiring one or more mass spectra comprises: ionizing at least a portion of the biomolecules in a sample portion using matrix assisted laser desorption ionization (MALDI).

With respect to the claims 4, 14, and 18, Vestal et al. disclose (Col. 5, lines 23-29; and Col. 14, lines 20-25) a method for analyzing a sample containing biomolecules wherein the mass spectrometer comprises a time-of-flight mass spectrometer.

With respect to the claims 7 and 19, Vestal et al. disclose (Col. 19, lines 28-40) a method for analyzing a sample containing biomolecules wherein there is comprising a step of compensating for sample bias in one or more expression level ratios.

With respect to the claims 8, 9, 20, and 21, Vestal et al. disclose (Col. 3, line 62 to Col. 4, line 3; and Col. 4, lines 38-50) a method for analyzing a sample containing biomolecules wherein the step of analyzing the one or more mass spectra comprises determining a signal intensity and a signal-to-noise ratio for the one or more mass signals.

With respect to the claims 15, 27, and 30, Vestal et al. disclose (Col. 6, lines 23-26 and 52-56; and Col. 7, lines 56-60) a method for analyzing a sample comprising a computer-readable media with computer-readable instructions.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Parekh et al. (6,278,794 B11 and 6,064,754) and Crooke et al. (6,329,146 B1) disclose a method and apparatus for identifying, selecting, and characterizing biomolecules in a biological sample.

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4. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Nikita Wells whose telephone number is (571) 272-2484. The examiner can normally be reached on 8:30 AM - 5:00 PM. If attempts to reach the examiner by

telephone are unsuccessful, the examiner's supervisor, John R. Lee can be reached on (571) 272-

2477. The central fax phone number for the organization where this application or proceeding is

assigned is (703) 872-9306. Any inquiry of a general nature or relating to the status of this

application or proceeding should be directed to the receptionist whose telephone number is (703)

308-0956.

5. Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nikita Wells

Primary Examiner, Art Unit 2881

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